BRUHAT BENGALURU MAHANAGARA PALIKE

FIRST AND FINAL BILL

MEASUREMENT SHEET

Name of work: Works Related to Damaged Caused due to Flood in Ward No. 11 (Kuvempunagara).

Estimated Cost : Rs. 40.00 Lakhs

Head of Account : P3726 Zonal Public Works - POW Works

Job Code: 011-23-000001

Name of Agency: M/s. K.R Constructions, Prop: C. Mahesh, No. 286, 7th B Cross, Jakkur Layout, Bangalore - 560064.

Work order No: BBMP/EE/BTP/WO/70/2022-23 D: 10-11-2022.

Measurements Recarded on : 29-03-2023

Sl. No.	Description of Item	Measurments No.s	L	B	D	Qty	Unit	Rate	Amount
1	Removing and Resetting of Footpath Slab (Approved Data rate enclosed)								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 01 to 04 is =					**1676.52**	Sqm		
						1487.06		246.00	**365817.00**
						189.46		246.28	**46660.00**
2	**Earth work excavation by manual means for drains**,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost. **In all kinds of soils Depth upto 1.5 m**								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 05 to 08 is =					**660.67**	Cum	214.00	**141383.00**
3	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:4:8(M5) Using 40 mm nominal size graded crushed coarse aggregates								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 09 is =					**23.66**	Cum		
	Qty upto 125%					**21.00**		6012.00	**126252.00**
	Qty above 125%					**2.66**		6001.48	**15964.00**
4	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 10 to 11 is =					**73.95**	Cum	7237.00	**535176.00**

Sl. No	Description of Item	Measurments No.s	L	B	D	Qty	Unit	Rate	Amount
5	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.								
	Qty as per Premeasurement Recorded vide E-Bill Page No. 12 is =					**4.25**	Tonnes	106456.00	**452438.00**
6	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge of the Work.								
	Missing Covering Slab for Drain								
	C. Muniswammappa Layout 3rd Cross								
	W/S	1	15.00	0.60		9.00			
		1	4.00	0.60		2.40			
		1	7.00	0.60		4.20			
		1	15.00	0.60		9.00			
		1	15.00	0.60		9.00			
	Vynidhi Theater Road								
		1	2.50	0.90		2.25			
		1	2.30	0.90		2.07			
		1	5.80	0.90		5.22			
		1	6.20	0.90		5.58			
	Vynidhi Theater opp Road								
		1	8.60	0.90		7.74			
		1	3.60	0.90		3.24			
		1	6.50	0.90		5.85			
		1	3.80	0.90		3.42			
	Kuvempunagara 6th Cross Subramanaya Swamy Temple								
		1	5.60	0.90		5.04			
		1	8.90	0.90		8.01			
	Kuvempunagara 7th Cross								
		1	8.40	0.90		7.56			
	Kuvempunagara 8th Cross								
	N/S	1	3.50	0.90		3.15			
		1	5.60	0.90		5.04			
		1	14.80	0.90		13.32			
		1	0.60	0.90		0.54			
		1	5.50	0.90		4.95			
		1	4.60	0.90		4.14			
		1	6.50	0.90		5.85			
		1	4.80	0.90		4.32			
		1	6.00	0.90		5.40			
		1	5.80	0.90		5.22			
		1	3.20	0.90		2.88			
	S/S								
		1	10.60	0.90		9.54			
		1	4.80	0.90		4.32			
		1	5.60	0.90		5.04			
		1	3.50	0.90		3.15			
		1	9.10	0.90		8.19			
		1	3.80	0.90		3.42			
		1	9.50	0.90		8.55			
	Kuvempunagara 9th Cross								
		1	5.50	0.90		4.95			
		1	3.80	0.90		3.42			
		1	4.60	0.90		4.14			
		1	8.90	0.90		8.01			
		1	5.50	0.90		4.95			

AEE (VRP) SD

Sl. No.	Description of Item	Measurments No.s	L	B	D	Qty	Unit	Rate	Amount
		1	0.60	0.90		0.54			
		1	3.10	0.90		2.79			
		1	10.60	0.90		9.54			
		1	2.90	0.90		2.61			
		1	0.60	0.90		0.54	Cft		
		1	6.60	0.90		5.94			
	Ramachandrapura, Devappa Layout								
		1	5.60	0.75		4.20			
		1	2.30	0.75		1.73			
		1	3.50	0.75		2.63			
		1	3.20	0.75		2.40	Cft		
	Devappa Layout Main Road								
		1	15.00	1.20		18.00			
		1	16.20	1.20		19.44			
	Singapura Paradise								
	Last Road	1	6.30	0.90		5.67			
		1	6.20	0.90		5.58			
		1	3.50	0.90		3.15			
		1	8.90	0.90		8.01			
		1	3.60	0.90		3.24	Cft		
		1	9.50	0.90		8.55			
	Singapura Paradise 2nd Main								
		1	6.50	0.90		5.85			
		1	3.20	0.90		2.88			
		1	4.80	0.90		4.32			
		1	6.90	0.90		6.21			
		1	6.50	0.90		5.85	Cft		
		1	7.50	0.90		6.75			
	Singapura Paradise 3rd Main								
		1	5.50	0.90		4.95			
		1	6.20	0.90		5.58			
		1	3.50	0.90		3.15	Cft		
	MS Palya 2nd Cross Tippu Sulthan Road S/S	1	6.80	0.90		6.12			
		1	5.50	0.90		4.95			
		1	6.50	0.90		5.85			
		1	3.50	0.90		3.15			
	N/S	1	5.50	0.90		4.95			
		1	1.20	0.90		1.08			
	Cross Road E/S	1	3.50	0.90		3.15			
		1	5.80	0.90		5.22			
	Cross Road W/S	1	5.30	0.90		4.77			
		1	2.80	0.90		2.52			
		1	6.50	0.90		5.85	Cft		
	Koya Factory Backside Road S/S	1	3.20	0.90		2.88			
		1	9.60	0.90		8.64			
		1	6.40	0.90		5.76			
		1	5.40	0.90		4.86			
		1	6.50	0.90		5.85			
		1	6.60	0.90		5.94			
		1	5.80	0.90		5.22			
		1	6.50	0.90		5.85			
		1	8.80	0.90		7.92			
		1	4.80	0.90		4.32			
		1	3.60	0.90		3.24			

Sl. No	Description of Item	Measurments No.s	L	B	D	Qty	Unit	Rate	Amount
		1	4.80	0.90		4.32			
	Koya Factory opp Road N/S	1	3.60	0.90		3.24			
		1	1.80	0.90		1.62			
		1	3.60	0.90		3.24			
		1	2.40	0.90		2.16			
		Total Qty =				**484.83**			
		Qty Ltd Approved Qty =				**484.83**	Sqm	2453.00	**1189288.00**

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub-Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Sl. No	Description of Item	Measurments No.s	L	B	D	Qty	Unit	Rate	Amount
	Measurements Recarded on : 29-03-2023								
7	Providing & fixing RCC Precast Cover slab of 230mm thick for drain in cement concrete M20 using graded granite jelly 200mm & down size with steel reinforcement including formwork, lift charges, curing & concrete finished surface both sides etc,. And as per drawing & the direction of Engineer-in-charge. **(Approved Data Rate)**								
	Culvert Deck Slab								
	Singapura Paradise Last Road	1	6.10	1.20		7.32			
	Singapura Paradise 2nd Main 2nd Cross	1	6.00	1.20		7.20			
	Singapura Paradise 1st Main 2nd Cross	1	5.80	1.20		6.96			
	Singapura Paradise 1st Main 3rd Cross	1	5.40	1.20		6.48			
	Main Road	1	8.10	1.20		9.72			
	New Sai Garden 1st Cross	1	5.60	1.20		6.72			
	New Sai Garden 2nd Cross	1	6.00	1.20		7.20			
	New Sai Garden 3rd Cross	1	5.40	1.20		6.48			
	Somanna Garden	1	4.50	1.50		6.75			
		Total Qty =				**64.83**			
		Qty Ltd Approved Qty =				**64.83**	Sqm	5688.00	**368753.00**
8	Loading and Unloading of Stone Boulder / Stone aggregates / Sand / Kankar / Moorum.								
	Same as Qty Vide Item No.1					607.82			
		Total Qty =				**607.82**	Cum	85.00	**51664.00**
9	Cost of Haulage Excluding Loading and Unloading, Case-1 : Surfaced Road A Taking output 10 t load and lead 10 km = 100 t.km								
	Same as Qty Vide Item No.8					607.82	Cum		
	Density of Sand/Debris i.e 1.28 T	607.82		1.28		778.00			
		778.00		9.80		7624.40			
		Total Qty =				**7624.40**	t.kms	12.00	**91493.00**
10	Providing and Fixing Steel Work in built up tubular (round rectangular hollowtube etc) truseses tec, including cutting, hoisting, fixing in postion and applying priming coat of approved steel primer including welding and bolted with Special shaped washer set complete electric resistance ordiction butt weleded tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of Engineer in Charge.								
	Culvert								
	PLATE	Kg	6		71	426			
			Steel assumed 71 kg / per unit						
			6		148	888			
			Steel assumed 148 kg / per unit						
				Total		**1314.00**	Kgs	127.00	**166878.00**
								Sub Total	**3551766.00**
								Add GST 18%	**639318.00**
								TOTAL	**4191084.00**

Assistant Engineer
Ward No. 11

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